

C-Cam-2A

Miniature Video Camera

C-Cam-2A turns a complete video camera into a component of your product.

C-Cam-2A, a new version CMOS type video camera, is specially designed for the cost sensitive consumer electronics application.

C-Cam-2A offers the unique benefits such as low power consumption, low cost, small size together with consistent image quality.

Features:

Small size : 16x16x15mm

Lens: f4.9mm

5V operation

Low power consumption (<100mW)

Direct connect to standard video monitor

On-chip auto exposure control

Auto Back light compensation

Gamma correction - 0.45/1.0

Auto gain control - 18dB

Auto black level calibration

High IR sensitivity for night time application

Auto level expanding

Edge enhancement

Application Example

- Visual Door Phone
- Baby Monitor
- Security and Surveillance System
- Machine Vision
- Process Control
- Car Rear Viewer
- Toys

Pin Description

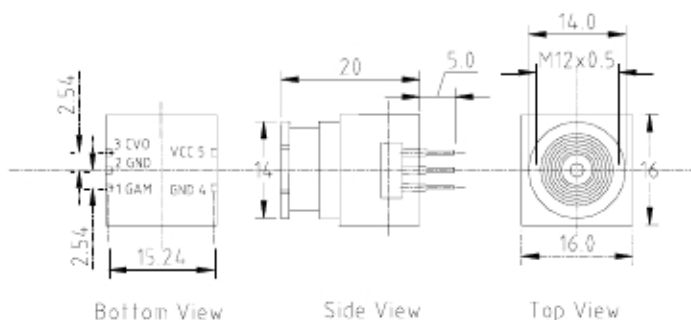
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|--------|---|
| 1. GAM | Gamma Disable pin, tie low for out door use |
| 2. GND | Power Supply Ground |
| 3. CVO | Composite Video Out, direct connect to monitor. |
| 4. GND | |
| 5. VCC | Power Supply, DC5V± 0.5V. |

Specification

Imager	1/4" CMOS imager sensor
Scanning	2:1 Interlace
Shutter	1/50 to 1/6,000 sec
Video Output	1V p-p composite video (75Ω)
Picture Element	EIA: 320(H) x 240(V) CCIR: 352(H) x 288(V)
Effective image area	3.2mm x 2.5mm
S/N Ratio	>46dB (AGC on)
Min Illumination	0.5Lux at F1.4
Resolution	260 TV line (CCIR)
Operation Voltage	5 VDC± 0.5V
Operating Current	10mA (no load)
Lens :	f4.9mm F2.8 FOV 36° x 27°

Mechanical Dimension

All dimensions are in mm



Application

